CEILING FAN OWNER'S MANUAL

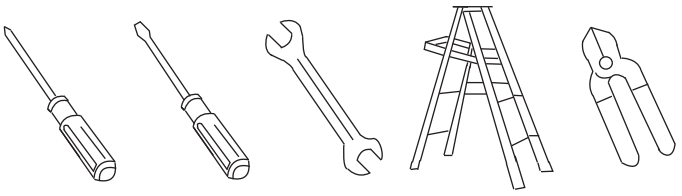
READ AND SAVE THESE INSTRUCTIONS

MODEL: 54-660-5WA-25
54-660-5MP-188

FAN RATING AC 120V. 60Hz
CUL LISTED MODEL : AC-552A

1. TOOLS AND MATERIALS REQUIRED

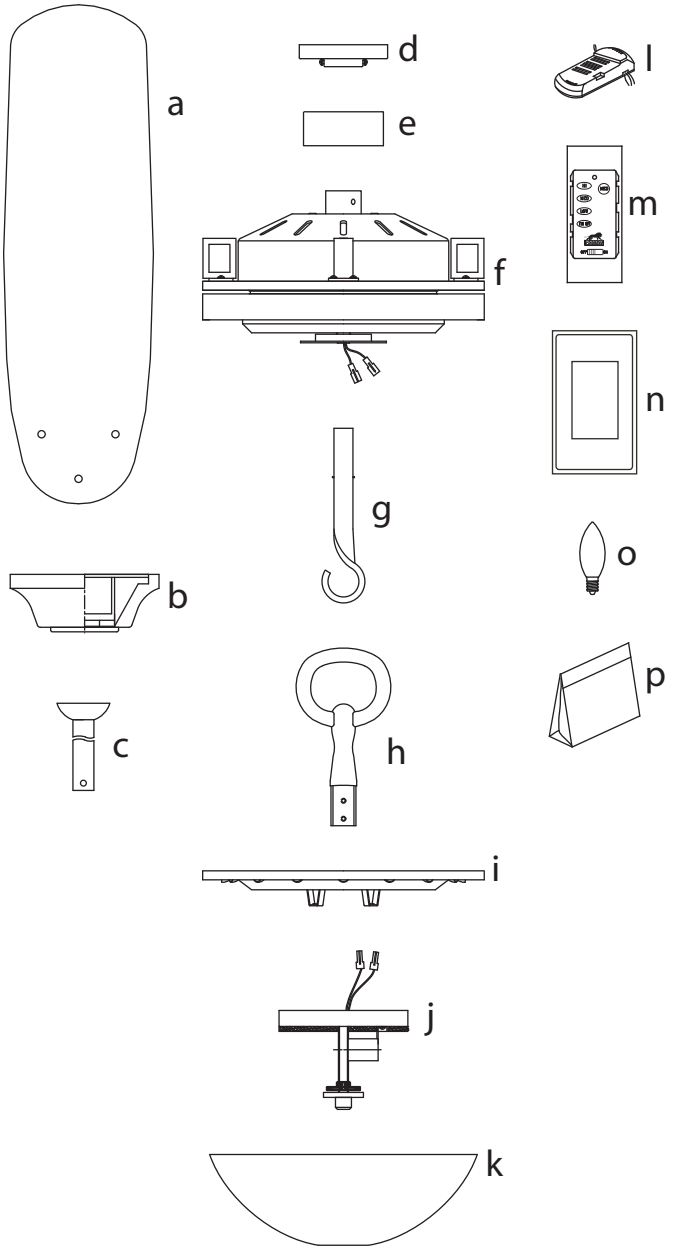
- Philips screw driver
- Blade screw driver
- 11 mm wrench
- Step ladder
- Wire cutters



2. PACKAGE CONTENTS

Unpack your fan and check the contents. You should have the following items;

a. Set of blades (5)
b. Hanger bracket assembly
c. Downrod
d. Decorative scroll ring
e. Coupling cover
f. Fan motor assembly
g. Decorative scroll arms (4)
h. Set of blade brackets (5)
i. Mounting plate
j. Light kit
k. Glass shade
l. Receiver + 6 wire nuts
m. Wall transmitter incl. 2 mounting screws and 3 wire nuts
n. Wall plate w/2 mounting screws
o. 40 Watt candelabra bulbs (3)
p. Package hardware
    1) Mounting hardware : screws (2), lock washers (2), star washers (2), wire nuts (3), wood screws (2), washers (2).
    2) Blade attachment hardware: screws (16),fiber washers (16)
    3) Blade arm hardware: screws with lock washers (11)
    4) Safety cable hardware: wood screw, lock washer, metal washer
    5) Balance Kit



3. SAFETY RULES

1. To reduce the risk of electric shock, insure electricity has been turned off at the circuit breaker or fuse box before beginning.

2. All wiring must be in accordance with the National Electrical Code and local electrical codes. Electrical installation should be performed by a qualified licensed electrician.

3. **WARNING:** To reduce the risk of electrical shock and fire, do not use this fan with any solid-state fan speed control device.

4. **WARNING:** To reduce the risk of personal injury, use only the two steel screws (and lock washers) provided with the outlet box for mounting to the outlet box. Most outlet boxes commonly used for the support of lighting fixtures are not acceptable for fan support and may need to be replaced, consult a qualified electrician if in doubt.

WARNING
TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR PERSONAL INJURY, MOUNT FAN TO OUTLET BOX MARKED **"ACCEPTABLE FOR FAN SUPPORT".**

5. The outlet box and support structure must be securely mounted and capable of reliably supporting a minimum of 50 pounds. Use only CUL Listed outlet boxes marked **"FOR FAN SUPPORT".**

6. The fan must be mounted with a minimum of 7 feet clearance from the trailing edge of the blades to the floor.

7. Do not operate reversing switch while fan blades are in motion. Fan must be turned off and blades stopped before reversing blade direction.

8. Avoid placing objects in the path of the blades.

9. To avoid personal injury or damage to the fan and other items, be cautious when working around or cleaning the fan.

10. Do not use water or detergents when cleaning the fan or fan blades. A dry dust cloth or lightly dampened cloth will be suitable for most cleaning.

11. After marking electrical connections, spliced conductors should be turned upward and pushed carefully up into outlet box. The wires should be spread apart with the grounded conductor and the equipment-grounding conductor on one side of the outlet box.

12. Electrical diagrams are reference only. Light kit that are not packed with the fan must be CUL Listed and marked suitable for use with the model fan you are installing. Switches must be CUL General Use Switches. Refer to the Instructions packaged with the light kits and switches for proper assembly.

WARNING
TO REDUCE THE RISK OF PERSONAL INJURY, DO NOT BEND THE BLADE BRACKETS (ALSO REFERRED TO AS FLANGES) DURING ASSEMBLY OR AFTER INSTALLATION. DO NOT INSERT OBJECTS IN THE PATH OF THE BLADES.

ATTENTION
Under the Energy Policy Act of 2005, federal regulations require all ceiling fans with light kits manufactured or imported after January 1, 2009, to limit the total wattage consumed by the light kit to 190 watts. Therefore, this product is equipped with a 190W limiting device. If lamping exceeds 190 watts, the light kit will shut off automatically until the proper wattage of bulbs are installed. Reset the light kit by turning it off, replacing the bulbs with the correct wattage, and then turning the light kit back on.

4. MOUNTING OPTIONS

If there isn't an existing CUL listed mounting box, then read the following instructions. Disconnect the power by removing fuses or turning off circuit breakers.

Secure the outlet box directly to the building structure. Use appropriate fasteners and building materials. The outlet box and its support must be able to fully support the moving weight of the fan (at least 50 lbs). Do not use plastic outlet boxes.

Figures 1, 2 and 3 are examples of different ways to mount the outlet box.

Note: You may need a longer downrod to maintain proper blade clearance when installing on a steep, sloped ceiling. (Fig. 3)

To hang your fan where there is an existing fixture but no ceiling joist, you may need an installation hanger bar as shown in Figure 4.

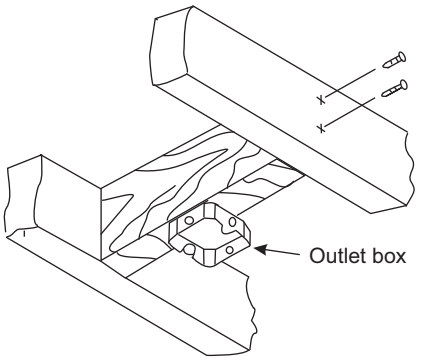


Figure 1

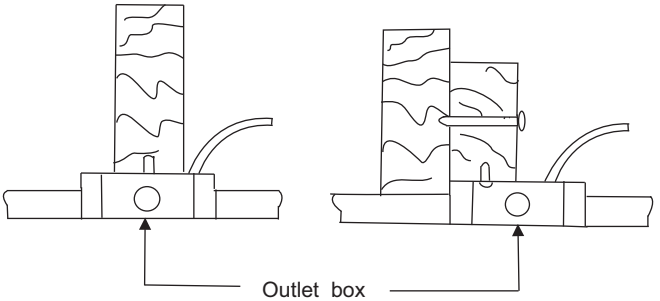


Figure 2

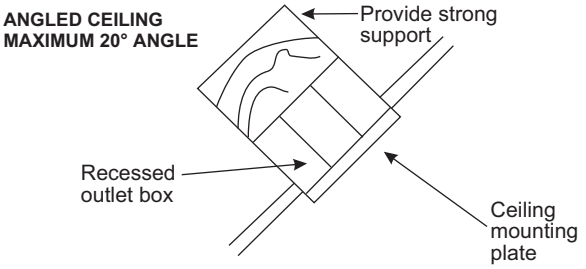


Figure 3

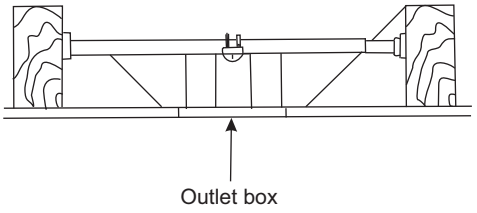


Figure 4

5. HANGING THE FAN

REMEMBER to turn off the power. Follow the steps below to hang your fan properly:

Step 1. Remove the decorative canopy bottom cover from the canopy by turning the cover counter clockwise. (Fig. 5)

Step 2. Remove the hanger bracket from the canopy by removing the 1 of 2 screws from the bottom of the hanger bracket and loosening the other one a half turn from the screw head. Next, turn the canopy counter clockwise to removing the hanger bracket from the canopy. (Fig. 5)

Step 3. Pass the 120-volt supply wires through the center hole in the ceiling hanger bracket as shown in Fig. 6.

Step 4. Secure the hanger bracket to the ceiling outlet box with the screws and washers provided with your outlet box.

Step 5. Remove the hitch pin, lock pin and set screws from the top of the motor assembly.

Step 6. Route wires exiting from the top of the fan motor through the coupling cover, decorative scroll ring, decorative canopy cover, canopy and then through the ball / downrod. (Fig. 7)

Step 7. Align the holes at the bottom of the downrod with the holes in the collar on top of the motor housing. (Fig.7) Carefully insert the hitch pin through the holes in the collar and downrod. Be careful not to jam the pin against the wiring inside the downrod. Insert the locking pin through the hole near the end of the hitch pin until it snaps into its locked position, as noted in the circle inset of Fig. 7

Step 8. Tighten two set screws on top of the fan motor firmly. (Fig. 7)

Step 9. Place the downrod ball into the hanger bracket socket. (Fig. 8)

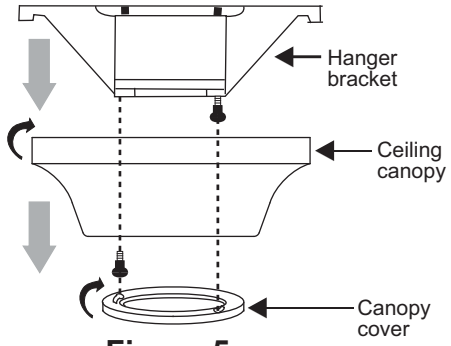


Figure 5

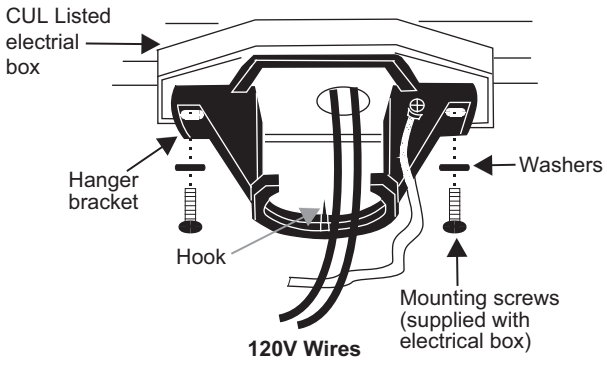


Figure 6

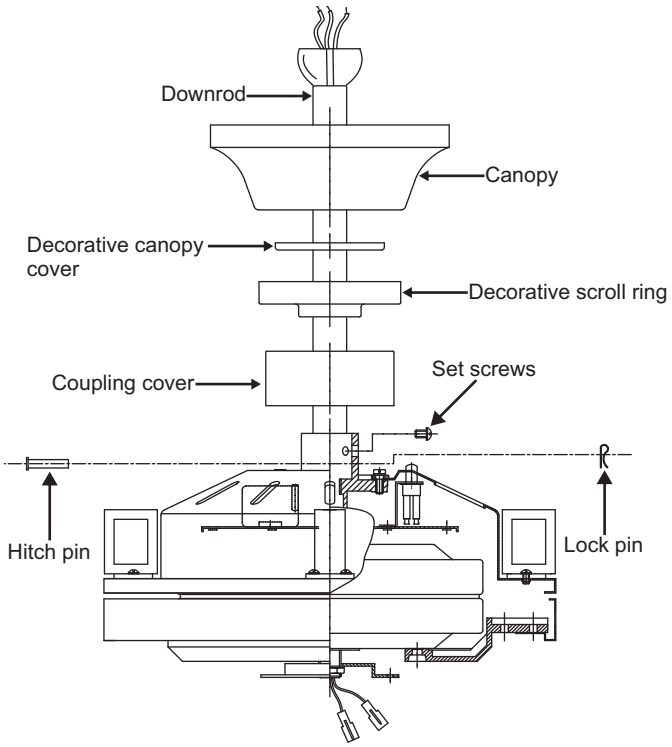


Figure 7

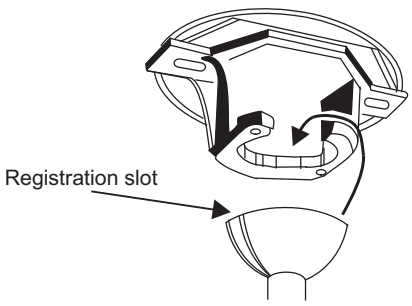


Figure 8

6. INSTALLATION OF SAFETY SUPPORT

An additional safety support is provided to prevent the fan from falling. Secure the safety cable to the ceiling joist with screw and washer, as illustrated in Figure 9.

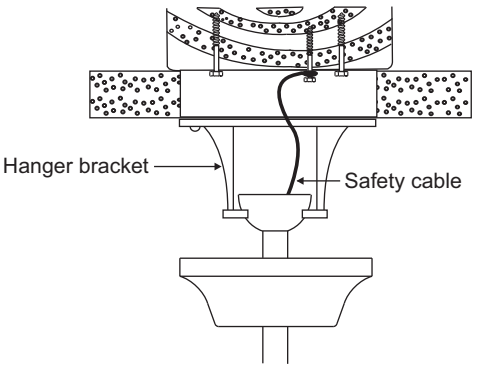


Figure 9

7. MAKE THE ELECTRIC CONNECTIONS

WARNING: To avoid possible electrical shock, be sure electricity is turned off at the main fuse box before wiring.

NOTE: This remote control unit is equipped with 16 code combinations to prevent possible interference from or to other remote units. The frequency switches on your receiver and transmitter have been preset at the factory. Please recheck to make sure the switches on transmitter and receiver are set to the same position, any combination of settings will operate the fan as long as the transmitter and receiver are set to the same position. (Figure 10)

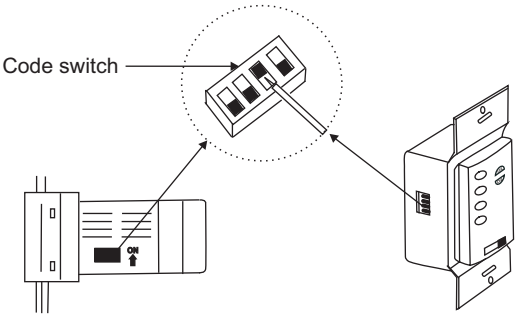


Figure 10

Step 1. (Fig. 11) Insert the receiver into the mounting bracket with the flat side of the receiver facing the ceiling.

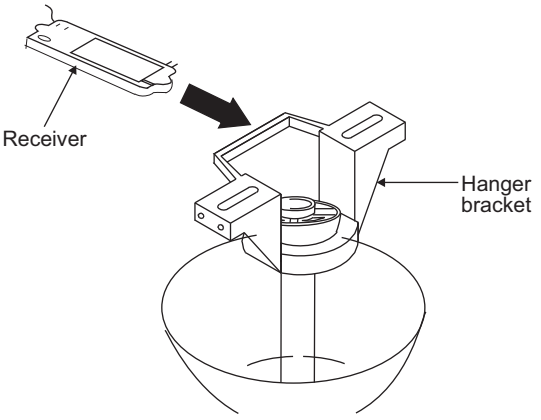


Figure 11

Step 2. (Fig. 12 and 13) Motor to Receiver Electrical Connections: Connect the Black wire from the fan to Black wire marked "TO MOTOR L". Connect the White wire from the fan to the White wire marked "TO MOTOR N" from the receiver. Connect the Blue wire from the fan to the Blue wire marked "For bottom Light" from the receiver. Connect the Orange wire from fan to the Orange wire from receiver marked "For Upper Light". Secure wire connections with the plastic wire nuts provided.

Step 3. (Fig. 12 and 13) Receiver to House Supply Wires Electrical Connections: Connect the black (hot) wire from the ceiling to the black wire marked "AC in L" from the receiver. Connect the white (neutral) wire from the ceiling to the white wire marked "AC in N" from the Receiver. Secure the wire connections with the plastic wire nuts provided.

Step 4. (Fig. 12 and 13) If your outlet box has a ground wire (green or bare copper) connect it to the fan ground wires; otherwise connect the hanging bracket ground wire to the mounting bracket. Secure the wire connection with a plastic nut provided. After connecting the wires, spread them apart so that the green and white wires are on one side of the outlet box and black and blue wires are on the other side. Carefully tuck the wire connections up into the outlet box.

Note: Fan must be installed at a maximum distance of 30 feet from the transmitting unit for proper signal transmission between the transmitting unit and the fan's receiving unit.

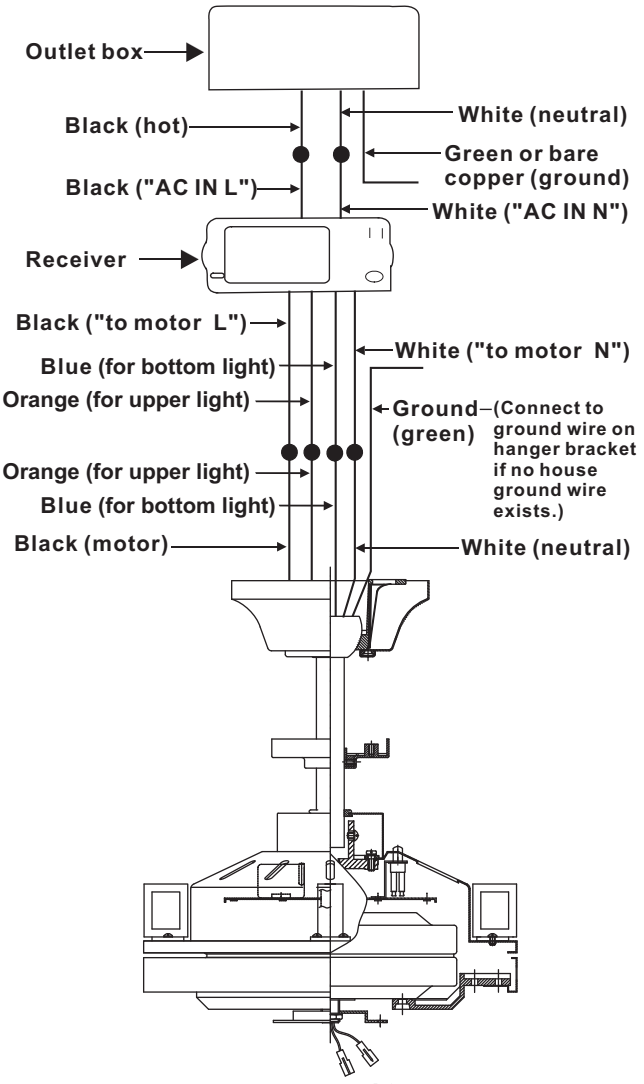


Figure 12

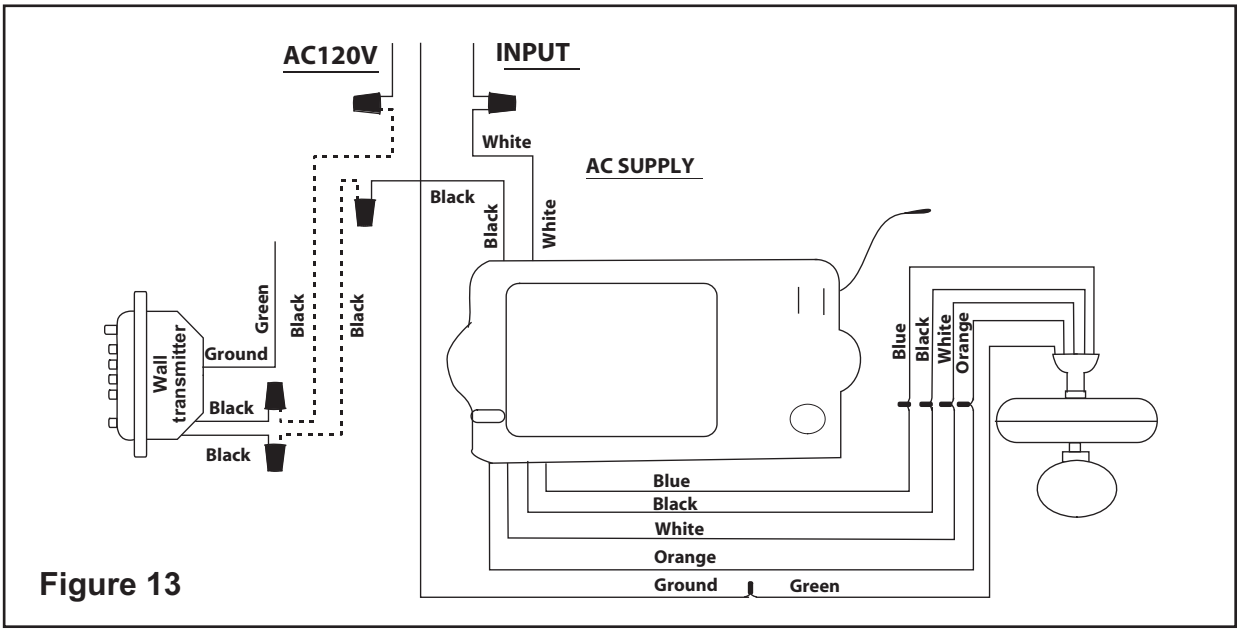


Figure 13

8. INSTALLING THE WALL TRANSMITTER

REMEMBER to Shut the Power Off at the Circuit Breaker or Fuse Box.

WARNING: HOOK UP IN "SERIES ONLY" DO NOT CONNECT THE HOT AND NEUTRAL WIRES OF ELECTRIC CIRCUIT TO THE TRANSMITTER WALL SWITCH - DAMAGE TO THE SWITCH AND POSSIBLE FIRE COULD OCCUR.

Step 1. Remove the existing wall plate and switch from the wall junction box.

Step 2. Make the electrical connections as shown in Fig. 13. If your outlet box has a ground wire (green or bare copper) connect the wall transmitter's ground wire to it; otherwise connect the wall transmitter's ground wire directly to one of the screws from the outlet box.

Step 3. (Fig. 14) Carefully tuck the wire connections inside the junction box. Secure the wall transmitter with the two screws provided. Attach the wall plate over the wall transmitter and secure with the two screws provided.

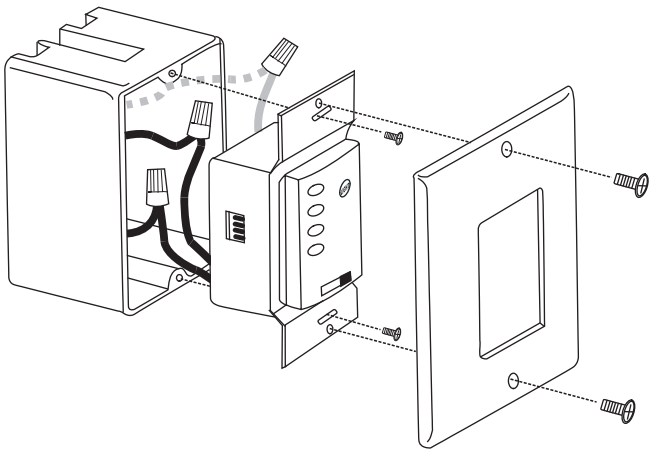


Figure 14

9. FINISHING THE INSTALLATION

Step 1. Tuck connections neatly into ceiling outlet box.

Step 2. Slide the canopy up to hanger bracket and place the key hole on the canopy over the screw on the hanger bracket, turn canopy until it locks in place at the narrow section of the key holes.

Step 3. Align the circular hole on canopy with the remaining hole on the hanger bracket, secure by tightening the two set screws.

Note: Adjust the canopy screws as necessary until the canopy and canopy cover are snug. (Fig.15)

Warning: Make sure tab at bottom of hanger bracket is properly seated in groove of hanger ball before attaching canopy to bracket. Failure to properly seat tab in groove could cause damage to electrical wiring.

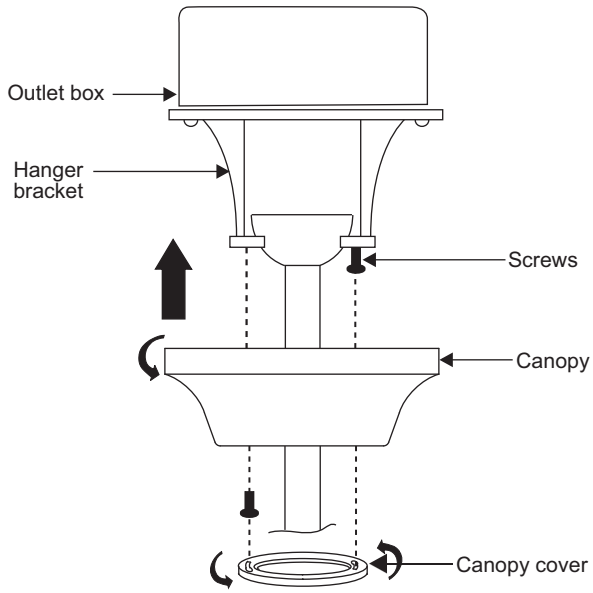


Figure 15

10. INSTALLING THE DECORATIVE SCROLL

Step 1. Place the ring at the end of the decorative scroll arm to the frame on top of the motor housing and secure tighten the top of decorative scroll to the decorative scroll ring with the screw provided on the decorative scroll ring. Repeat process for the other decorative scroll arms. (Fig. 16)

Step 2. Secure the decorative scroll ring with setscrew tightly.

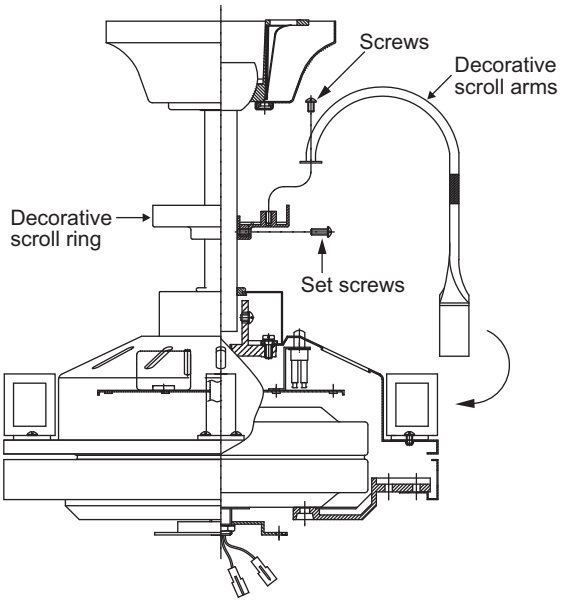


Figure 16

11. ATTACHING THE FAN BLADES

Step 1. Attach the blade to the blade bracket using the screws and fiber washers as shown in Figure 17. Start screw into bracket. Repeat for the two remaining screws.

Step 2. Tighten each screw. Make sure the blade is straight.

Step 3. Fasten blade assembly to motor using the screws supplied. (Fig. 17)

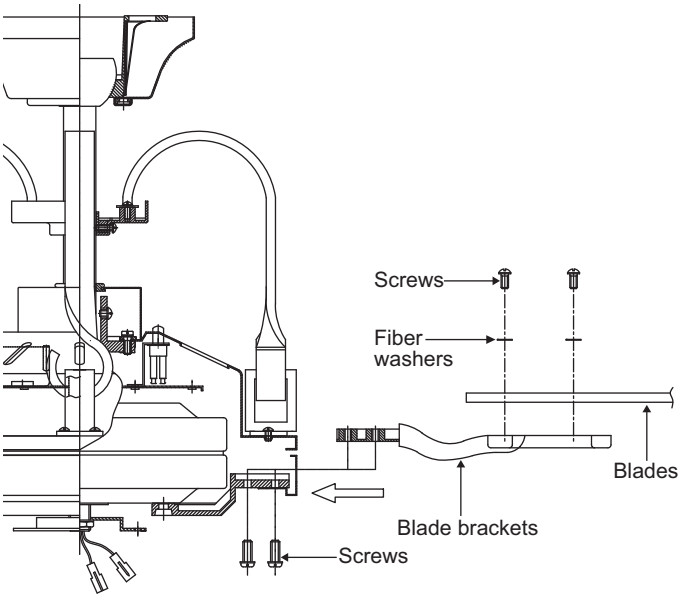


Figure 17

12. INSTALLATING THE MOUNTING PLATE

1. Remove the 1 of 3 screws from the mounting ring and loosen the other 2 screws. (Do not remove)

2. Place the key holes on the mounting plate over the 2 screws previously loosened from the mounting ring, turn mounting plate until it locks in place at the narrow section of the key holes. Secure by tightening the 2 screws previously loosened and the one previously removed. (Fig. 18)

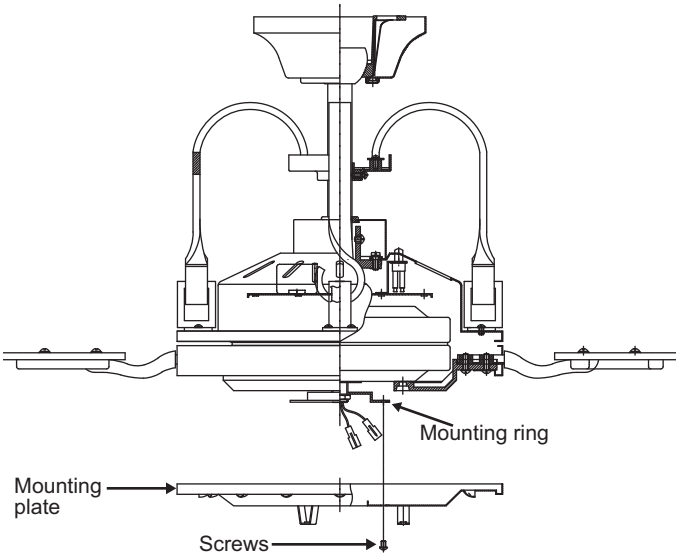


Figure 18

13. INSTALLING THE LIGHT KIT

NOTE: Before starting installation, disconnect the power by turning off the circuit breaker or removing the fuse at fuse box.

Step 1. Loosen the one of three screws from the mounting plate.

Step 2. Raise and hold the light kit close to the mounting plate and proceed to do the wire connections. Connect the white wire connectors from the light kit and fan, follow the same procedure with the black wire connectors. (Fig. 19)

Step 3. Tuck connections neatly into light plate, Place the light plate key holes over the 3 screws previously loosened from the mounting ring, turn light kit until it locks in place at the narrow section of the key holes. Secure by tightening the 3 screws previously loosened. (Fig. 19)

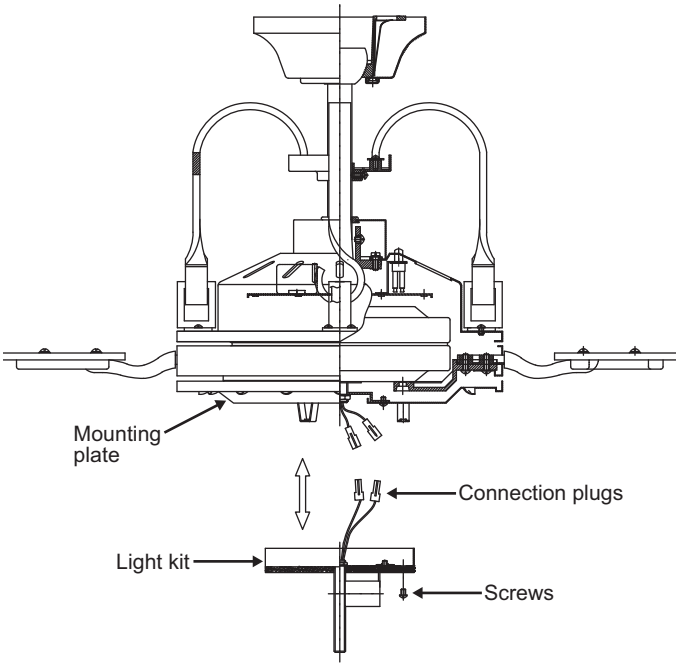


Figure 19

14. INSTALLING THE LIGHT BULBS & GLASS SHADE

1. Install 3 x 40W (MAX.) candelabra bulbs (provided).

2. Remove the decorative nut, glass cap and metal nut from the light kit. Place glass shade over the light kit stem, secure with the metal nut (rubber side on the top), glass cap and decorative nut. **Do not overtighten**. (Fig. 20)

3. Restore power and your light kit is ready for operation.

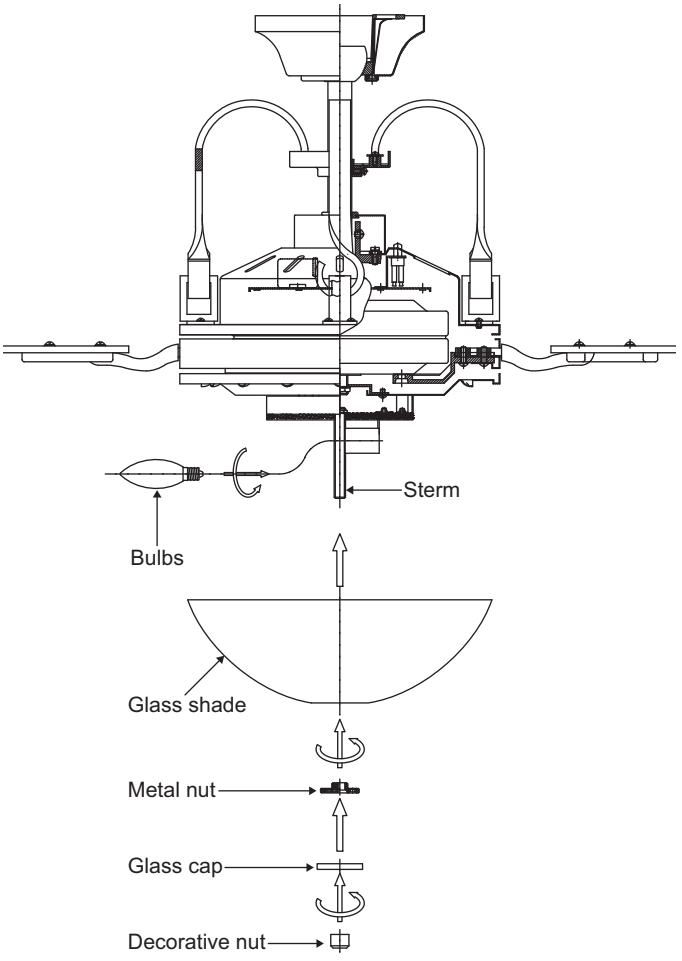


Figure 20

15. OPERATING INSTRUCTIONS

Restore power to ceiling fan and test for proper operation.

A. HI, **MED**, and **LOW** buttons:
These three buttons are used to set the fan speed as follows:
HI= high speed
Med= medium speed
Low= low speed

B. FAN OFF button:
This button turns the fan off.

C. LIGHT button:
This button controls the light. Press and release the button to turn the light ON or OFF. Press and hold the button to set the desired brightness. The light key has an auto-resume, it will stay at the same brightness as the last time it was turned off.

D. "OFF-ON" Slide Button:
This button turns the power Off and On to the Fan and Light(s).

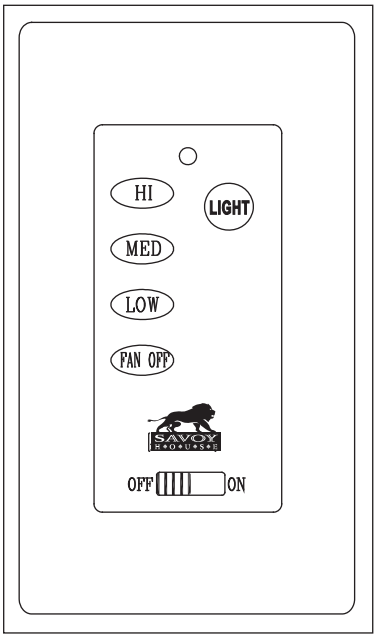


Figure 21

The Reverse switch is located on the top of the motor housing. Slide the switch to the Left for warm weather operation. Slide the switch to the Right for cool weather operation.

Speed setting for warm or cool weather depend on factors such as the room size. Ceiling height, number of fans and so on.

NOTE: Wait for fan to stop before changing the setting of the slide switch.

Warm weather - (Forward) A downward airflow creates a cooling effect as shown in Fig. 22. This allows you to set your air conditioner on a warmer setting without affecting your comfort.

Cool weather - (Reverse) An upward airflow moves warm air off the ceiling area as shown in Fig. 23. This allows you to set your heating unit on a cooler setting without affecting your comfort.

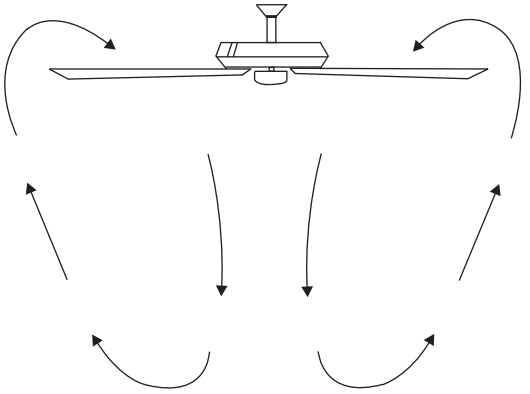


Figure 22

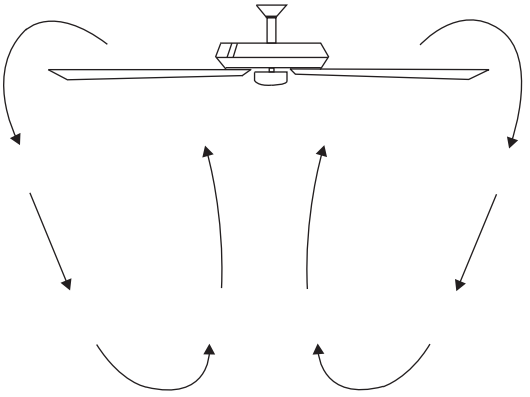


Figure 23

16. TROUBLESHOOTING

Problem	Solution
Fan will not start.	1. Check circuit fuses or breakers. 2. Check line wire connections to the fan and switch wire connections in the switch housing. **CAUTION:** Make sure main power is off. 3. Check to make sure the dip switches from the transmitter and receiver are set to the same frequency.
Fan sounds noisy.	1. Make sure all motor housing screws are snug. 2. Make sure the screws that attach the fan blade bracket to the motor hub is tight. 3. Make sure wire nut connections are not rubbing against each other or the interior wall of the switch housing. **CAUTION:** Make sure main power is off. 4. Allow a 24-hour "breaking-in" period. Most noise associated with a new fan disappear during this time. 5. If using an optional light kit, make sure the screws securing the glassware are tight. Check that the light bulb is also secure. 6. Do not connect the fan with a wall mounted variable speed control (s) 7. Make sure the upper canopy is a short distance from the ceiling. It should not touch the ceiling.
Fan wobble.	1. Check that all blade and blade arm screws are secure. 2. Most fan wobbling problems are caused when blade levels are unequal. Check this level by selecting a point on the ceiling above the tip of one of the blades. Measure this distance. Rotate the fan until the next blade is positioned for measurement. Repeat for each blade. The distance deviation should be equal within 1/8". 3. Use the enclosed Blade Balancing Kit if the blade wobble is still noticeable. 4. If the blade wobble is still noticeable, interchanging two adjacent (side by side) blades can redistribute the weight and possibly result in smoother operation. **WARNING:** TO REDUCE THE RISK OF PERSONAL INJURY, DO NOT BEND THE BLADE ARM WHILE INSTALLING, BALANCING THE BLADES, OR CLEANING THE FAN. DO NOT INSERT FOREIGN OBJECTS BETWEEN ROTATING FAN BLADES.
Lights shut off and will not come back on.	1. This unit is equipped with a wattage limiting device. Lamping in excess of 190 watts will disable your ceiling fan's light kit. To reset your light kit you must turn the power off and re lamp, keeping the wattage under 190 watts. Restore power to your ceiling fan and continue normal operation.
Remote control malfunction.	1. Do not connect the fan with a wall mounted variable speed control(s). 2. Make sure the dip switches are set correctly.